

IN THE SPECIFICATION:

Please amend paragraph [0001] as follows;

[0001] This application is a continuation of Application Serial Number 10/047,674, filed January 14, 2002, which claims the benefit of U.S. Provisional Patent Application Serial Number 60/315,630, filed August 29, 2001.

Please amend paragraph [0013] as follows;

[0013] Figure 2 is a ~~an exploded~~ perspective view of an alignment device used in the tool assembly unit of Figure 1; and

Please amend paragraph [0014] as follows;

[0014] Figure 3 is an elevational ~~cross-sectional~~ view of the alignment device of Figure 2.

Please amend paragraph [0018] as follows;

[0018] The heating device 14 includes a heater 28 mounted on a slide tower 30. The position and operation of the heater 28 is controlled by the controller 15. Although two controllers 15 have been disclosed, it will be appreciated by those of ordinary skill in the art that a single controller or any other type of control unit could be used to perform the operation and positioning of the heater 28 ~~unit~~ and optical viewer 24.

Please amend paragraph [0019] as follows;

[0019] With reference to Figure 2, the alignment device 16 will be described. The alignment device 16 includes a spindle 32 for holding the ~~the~~ tool holder 34. In the preferred embodiment, the tool holder 34 is held within the spindle 32 through a vacuum clamp. The tool to be mounted within the tool holder 34 is shown generally at 36. A push rod 38 is adapted to reciprocate through the spindle 32 and tool holder 34 to engage the shank 40 of the tool 36. The engagement of the rod 38 with the shank 40 may be such that they are removably attached, coupled so that the tool 36 rests on top of the rod 38 or any other

suitable means of coupling or mating such that the rod 38 may move the tool 36 within the tool holder 34 to the desired position.

Please amend paragraph [0021] as follows;

[0021] The mount 42 is connected to an adjustment device comprising an air slide 46 and ~~to~~ an adjustment shaft 48. In the preferred embodiment, the air slide 46 provides for rapid adjustment and the shaft 48 provides for fine adjustment. The fine adjustment in the disclosed embodiment is achieved through a gear box 50 and an electronic control 52. System air is controlled through electronic controls [[52,]] 54, which control pressurized air through air lines 56. The electronic controls 52,54 are coupled to the controller 15.

Please amend paragraph [0023] as follows;

[0023] With reference to Figure 3, the operation of unit 10 will be described. In operation, the push rod 38 is initially moved to its lowest position. In this position, the push rod 38 can be replaced if necessary. As discussed above, replacement of the push rod may be required if there has been damage to the push rod or undue wear or if a different size push rod is required for a specific mounting operation. The control panel 18 [[, 20]] for controlling the push rod 38 is illustrated schematically. The down button 61 would be engaged to move the push rod 38 down.

Please amend paragraph [0024] as follows;

[0024] After the push rod 38 is down, the tool holder 34 is then placed in the spindle 32. The vacuum clamp is energized by pushing button 63 on the control panel 18 [[, 20]]. This holds the tool holder 34 within the spindle 32. It is contemplated that a standard vacuum clamp would be employed or any other suitable means of retaining the tool holder 34 within the spindle 32.

Please amend paragraph [0025] as follows;

[0025] At this point in the operation, if there is an existing tool 36 mounted within the tool holder 34, i.e., the intent is to replace the tool 36, the push rod 38 would be raised to touch the bottom of the cutting tool 36. This would be controlled by a ~~the~~ push rod ~~[[38]]~~ up button 65. Then either manual measurement of the tool 36 and tool holder 34 would be done or the measuring device 12 would be set at the predetermined dimension for the tool 36 and tool holder 34.

Please amend paragraph [0027] as follows;

[0027] As illustrated in Figure 3, the heater slide 30 is mounted through bracket 62 to the spindle ~~assembly~~ 32 of the alignment device 16. Once the tool holder 34 is properly heated, the heating device 28 will move away from the tool holder 34 and either the existing tool 36 can be removed and a new tool inserted into the bore. Or if it is a first time assembly, a new tool is inserted. ~~The~~ A fine adjustment knob 67 is then used to raise or lower the tool 36 to the crosshairs of the optical viewer 24 ~~[[30]]~~. Once the tool 36 is properly within the crosshairs of optical viewer 24, the proper alignment between tool 36 and tool holder 34 has been achieved. The vacuum clamp is then released by pushing vacuum clamp button 63 and the tool holder 36 and tool 34 are removed from the spindle 32 and placed into a cooling rack for complete cooling.